

Priorité des Opérations sur les Fractions (D)

Nom: _____

Date: _____

Effectuez chaque expression à l'aide de l'ordre correct des opérations.

$$\left(\frac{4}{5} - \left(\frac{1}{2}\right)^2\right) \div \frac{3}{4}$$

$$\left(\frac{5}{6}\right)^2 \div \left(\frac{5}{8} - \frac{4}{9}\right)$$

$$\frac{5}{6} - \frac{1}{5} \div \left(\frac{3}{4}\right)^2$$

$$\left(\left(\frac{1}{4}\right)^2 + \frac{5}{6}\right) \times \frac{3}{4}$$

$$\left(\frac{7}{8}\right)^2 + \frac{1}{8} \times \frac{1}{2}$$

$$\frac{1}{3} \div \left(\frac{1}{4} + \left(\frac{5}{6}\right)^2\right)$$

$$\left(\frac{3}{4}\right)^2 \div \frac{1}{2} + \frac{3}{8}$$

$$\left(\frac{3}{4}\right)^2 \times \frac{4}{5} + \frac{1}{4}$$

$$\frac{3}{4} \times \frac{7}{8} - \left(\frac{3}{8}\right)^2$$

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$$\begin{aligned} & \left(\frac{4}{5} - \left(\frac{1}{2} \right)^2 \right) \div \frac{3}{4} \\ &= \left(\frac{4}{5} - \frac{1}{4} \right) \div \frac{3}{4} \\ &= \frac{11}{20} \div \frac{3}{4} \\ &= \frac{11}{15} \end{aligned}$$

$$\begin{aligned} & \left(\frac{5}{6} \right)^2 \div \left(\frac{5}{8} - \frac{4}{9} \right) \\ &= \left(\frac{5}{6} \right)^2 \div \frac{13}{72} \\ &= \frac{25}{36} \div \frac{13}{72} \\ &= \frac{50}{13} \\ &= 3 \frac{11}{13} \end{aligned}$$

$$\begin{aligned} & \frac{5}{6} - \frac{1}{5} \div \left(\frac{3}{4} \right)^2 \\ &= \frac{5}{6} - \frac{1}{5} \div \frac{9}{16} \\ &= \frac{5}{6} - \frac{16}{45} \\ &= \frac{43}{90} \end{aligned}$$

$$\begin{aligned} & \left(\left(\frac{1}{4} \right)^2 + \frac{5}{6} \right) \times \frac{3}{4} \\ &= \left(\frac{1}{16} + \frac{5}{6} \right) \times \frac{3}{4} \\ &= \frac{43}{48} \times \frac{3}{4} \\ &= \frac{43}{64} \end{aligned}$$

$$\begin{aligned} & \left(\frac{7}{8} \right)^2 + \frac{1}{8} \times \frac{1}{2} \\ &= \frac{49}{64} + \frac{1}{8} \times \frac{1}{2} \\ &= \frac{49}{64} + \frac{1}{16} \\ &= \frac{53}{64} \end{aligned}$$

$$\begin{aligned} & \frac{1}{3} \div \left(\frac{1}{4} + \left(\frac{5}{6} \right)^2 \right) \\ &= \frac{1}{3} \div \left(\frac{1}{4} + \frac{25}{36} \right) \\ &= \frac{1}{3} \div \frac{17}{36} \\ &= \frac{6}{17} \end{aligned}$$

$$\begin{aligned} & \left(\frac{3}{4} \right)^2 \div \frac{1}{2} + \frac{3}{8} \\ &= \frac{9}{16} \div \frac{1}{2} + \frac{3}{8} \\ &= \frac{9}{8} + \frac{3}{8} \\ &= \frac{3}{2} \\ &= 1 \frac{1}{2} \end{aligned}$$

$$\begin{aligned} & \left(\frac{3}{4} \right)^2 \times \frac{4}{5} + \frac{1}{4} \\ &= \frac{9}{16} \times \frac{4}{5} + \frac{1}{4} \\ &= \frac{9}{20} + \frac{1}{4} \\ &= \frac{7}{10} \end{aligned}$$

$$\begin{aligned} & \frac{3}{4} \times \frac{7}{8} - \left(\frac{3}{8} \right)^2 \\ &= \frac{3}{4} \times \frac{7}{8} - \frac{9}{64} \\ &= \frac{21}{32} - \frac{9}{64} \\ &= \frac{33}{64} \end{aligned}$$